PRE-CRUISE NARRATIVE

Sale Name:	Wilson	**Region:**	**OLYMPIC**
App. #:		**District:**	**CRESCENT**
Contact forester:	Bryan Suslick	**Phone: Location:**	374-2850
Alternate contact:	Mike Potter	**Phone: Location:**	374-2878

UNIT ACREAGES AND METHOD OF DETERMINATION:

Unit #	Legal Descr. Sec/Twp/Rng	Grant	Gross acres	Net acres	Method of acreage determination (compass chain traverse, photo, declination used, etc)	Error of closure
1	Nw1/4 sw1/4 Sec 34 (29-12)	01	28.2	26	GPS	
Total			28.2	26		

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest prescription: (mark leave, take, etc)	Special management areas:	Other conditions (# leave trees, etc.)
1	208 Blue painted trees		

OTHER PRE-CRUISE INFORMATION:

Unit #	Estimated Volume	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	350mm	none	Traverse maps included

REMARKS:

All road and landing acres were taken out of unit acres.

Prepared by: Bryan Suslick

Title: Forester 1

CC:

Cruise Narrative

Sale Name:	Wilson	**Region:**	Olympic
App. #:	N/A	**District:**	Crescent
Lead cruiser:	Darryl R. Dillard	**Completion date:**	March 7 2006
Other cruisers on sale:	NONE		

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	26.0	Yes	
Total	26.0		

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing or % of area)	Plot ratio (cruise: count)	Total number of plots
1	VP	20.00 F	D4'H	140'x140'	31:31	62

Sale/Cruise Description:

Minor species cruise intensity:	VP cruised all minor species on cruise plots, counted all minor species on count plots.					
Minimum cruise spec:	20 Bd. Ft. gross and/or to a 5 inch top.					
Avg ring count by sp:	**DF** =	6 RPI	**WH** =	7 RPI	**SS** =	N/A
Leave/take tree description:	All 'Leave Trees' are painted with a BLUE band.					
Other conditions	An existing road bisects the unit. The acreage for this road was deducted by the pre-sales forester. Traversed acreage was 28.2 acres, deduction for the road leaves a net acreage of 26.0 acres. No plots were placed in the road and any plots that fell near the road were 'turned' as "walkthrough" plots.					

Field observations:

This 60 year old stand is dominated with small but clean Western Hemlock with very small Red Alder present as a minor species. Trace amounts of very small Douglas Fir is present in the northwest corner along the 'Mary Clark'

road. This stand has recently been commercially harvested and of the remaining timber approximately 30% has blown down in a number of wind storms, some as recently as during the time of cruising. This damage has occurred throughout the stand with the exception of that portion in the NW corner along the "Mary Clark" road. Other defect observed is due to minor butt-rot in the hemlock and multiple tops in the alder that is normally seen in this species.

Grants: **01**

Prepared by: Darryl R. Dillard

Title: Forester 1/Forest Cruiser

CC: N/A

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T29N R12W S34 Ty0001 26.00

Project: **WILSON**

Acres **26.00**

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Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-7	8-11	11+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
WH	D	2S		19	13.4	2,587	2,242	58			6	94			100		32	192	1.57	11.7
WH	D	3S		65	7.7	8,321	7,678	200	9	32	52	7		1	99		32	64	0.54	119.9
WH	D	4S		16	12.5	2,113	1,849	48	83	13	4		39	28	33		12	12	0.26	156.2
WH	**Totals**			92	9.6	13,021	11,768	306	19	23	36	23	6	5	89		21	41	0.51	287.7
RA	D	3S		7	24.3	96	73	2			59	41			100		32	87	1.41	.8
RA	D	4S		93	7.8	942	868	23	67	25	8		8	30	63		16	17	0.32	51.2
RA	**Totals**			7	9.4	1,038	941	24	62	23	12	3	7	27	66		16	18	0.35	52.0
DF	D	3S		38		31	31	1		100					100		32	50	0.56	.6
DF	D	4S		62		50	50	1	100					100			10	13	0.24	4.0
DF	**Totals**			1		81	81	2	62	38				62	38		13	18	0.35	4.6
Totals					9.5	14,140	12,790	333	22	23	34	21	6	7	87		20	37	0.49	344.3

PROJECT STATISTICS

PROJECT **WILSON**

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
29N	12	34	UNIT1	0001	26.00	62	353	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	62	353	5.7		
CRUISE	31	196	6.3	3,681	5.3
DBH COUNT					
REFOREST					
COUNT	31	157	5.1		
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
WHEMLOCK	164	112.9	12.6	66	21	98.4	13,021	11,768	3,112	3,112
R ALDER	30	26.4	9.9	46		14.2	1,038	941	296	295
DOUG FIR	2	2.3	10.1	38	0	1.3	81	81	21	21
TOTAL	*196*	*141.6*	*12.1*	*62*		*113.9*	*14,140*	*12,790*	*3,429*	*3,428*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**SAMPLE TREES - BF** LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
WHEMLOCK	67.6	5.4	152	160	169			
R ALDER	32.6	6.8	54	58	62			
DOUG FIR	35.4	33.1	27	40	53			
TOTAL	*73.3*	*5.4*	*138*	*146*	*154*	*215*	*54*	*24*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**SAMPLE TREES - CF** LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
WHEMLOCK	66.8	5.3	42	44	46			
R ALDER	72.0	15.0	18	21	24			
DOUG FIR	71.9	67.4	4	12	20			
TOTAL	*71.2*	*5.2*	*39*	*41*	*43*	*203*	*51*	*23*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**TREES/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WHEMLOCK	68.7	8.7	103	113	123			
R ALDER	212.5	27.0	19	26	33			
DOUG FIR	405.0	51.4	1	2	3			
TOTAL	*53.8*	*6.8*	*132*	*142*	*151*	*116*	*29*	*13*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**BASAL AREA/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WHEMLOCK	53.8	6.8	92	98	105			
R ALDER	220.1	27.9	10	14	18			
DOUG FIR	383.9	48.8	1	1	2			
TOTAL	*43.2*	*5.5*	*108*	*114*	*120*	*75*	*19*	*8*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**NET BF/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WHEMLOCK	56.2	7.1	10,929	11,768	12,608			
R ALDER	202.2	25.7	699	941	1,182			
DOUG FIR	389.6	49.5	41	81	122			
TOTAL	*47.0*	*6.0*	*12,028*	*12,790*	*13,553*	*88*	*22*	*10*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**NET CUFT FT/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WHEMLOCK	54.0	6.9	2,898	3,112	3,325			
R ALDER	217.8	27.7	214	295	377			
DOUG FIR	384.3	48.8	11	21	31			
TOTAL	*44.5*	*5.7*	*3,234*	*3,428*	*3,622*	*79*	*20*	*9*

TC PSPCTLTCM

Species Summary - Trees, Logs, Tons, CCF, MBF

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Project **WILSON**
Acres **26.00**

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Species	S T	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
WHEMLOCK		2,936	7,480	2,589	27.56	10.82	0.52	809	809	339	306
R ALDER		686	1,353	212	11.19	5.67	0.38	77	77	27	24
DOUG FIR		60	119	15	9.09	4.54	0.35	5	5	2	2
Totals		3,681	8,952	2,816	24.21	9.96	0.50	892	891	368	333

Wood Type Species	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
C	2,995	7,599	2,605	27.19	10.72	0.51	815	814	341	308
H	686	1,353	212	11.19	5.67	0.38	77	77	27	24
Totals	3,681	8,952	2,816	24.21	9.96	0.50	892	891	368	333